

#3

0300



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/081,124

DATE: 03/08/2002 P.5
TIME: 14:16:56

Input Set : D:\Seqlist.txt

Output Set: N:\CRF3\03082002\J081124.raw

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4 <110> APPLICANT: Chan, Vivien W.
5     Escobedo, Jaime
6     Reinhard, Christoph
7     Randazzo, Filippo
8     Lamson, George
9     Garcia, Pablo Domingo
10    Moler, Edward J.
12 <120> TITLE OF INVENTION: GENE PRODUCTS DIFFERENTIALLY EXPRESSED
13    IN CANCEROUS COLON CELLS AND THEIR METHODS OF USE
16 <130> FILE REFERENCE: 16336.002
C--> 18 <140> CURRENT APPLICATION NUMBER: US/10/081,124
19 <141> CURRENT FILING DATE: 2002-02-21
21 <150> PRIOR APPLICATION NUMBER: 60/270,855
22 <151> PRIOR FILING DATE: 2001-02-21
24 <160> NUMBER OF SEQ ID NOS: 1303
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29 <211> LENGTH: 527
30 <212> TYPE: DNA
31 <213> ORGANISM: Homo sapiens
33 <400> SEQUENCE: 1
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36 ccttgggctt cagccccct tcgggggttg ccggttctcc ccatcacctc tctggggcag 180
37 tcacaccacc tgtaagcat caagctacca cagaggctcc ggccacctgg gctccaccag 240
38 ccagccccc ctgggctccg tgtgcgctgg gcctcatccc catctatggg aggaaactga 300
39 agctcaggag gctgtgtggc ttgcggggtc tctgggttct gggcccccact gttccccagt 360
40 gaagcccttg tgggaagggt ccgggagcag gtggtgtcct cagagcagcc tcgctgctg 420
41 accccactgg gagaggcgc gtgcctcggg ccctgggtgg gagctccgct ggctcctgtc 480
42 tgaacctcct cgaggggcca aaggctggct tggcctgtgt ttccctt 527
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45 <211> LENGTH: 594
46 <212> TYPE: DNA
47 <213> ORGANISM: Homo sapiens
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52 gtgaaaattg ccaccaaggc caacccttg gatgaaaaat cactaaagcc tgacagtgtc 180
53 cgggtcccagc tggagacgtc attgaagagg ctgcagtgtc cccaagtgga cctcttctac 240
54 ctacacgcac ctgaccaagg caccgccgtg gaagagacgc tgcattgctg ccagcggctg 300
55 caccaggagg gcaagtctgt ggagcttgcc ctctccaaat atgctagctg ggaagtggcc 360
56 gagatctgta cctctgcaa gagcaatggc tggatcctgc ccactgtgt ccagggcag 420
57 tacaacgcca ccaccggca ggtggaaacg gagctcttcc cctgcctcag gcactttgga 480

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Input Set : D:\Seqlist.txt

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58 ctgagggttct atgcctacaa ccctctggct gggggcctgc tgactggcaa gtacaagtat 540
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62 <211> LENGTH: 532
63 <212> TYPE: DNA
64 <213> ORGANISM: Homo sapiens
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68 tccgagattg gggtcgggtc actgcctcat ccaccggagc gatggcgttt ctccgaagca 120
69 tgtggggcgt gctgactgcc ctgggaaggt ctggagcaga gctgtgcacc ggctgtggaa 180
70 gtgcactgcg ctcccccttc agtttttgtt atttaccgag gtggttttca tctgtcttgg 240
71 caagttgtcc aaagaaacct gtaagttctt accttcgatt ttctaaagaa caactaccca 300
72 tatttaaagc tcagaaccca gatgcaaaaa ctacagaact aattagaaga attgcccagc 360
73 gttggaggga acttcctgat tcaaagaaaa aaatatatca agatgcttat agggcggagt 420
74 ggcaggtata taaagaagag ataagcagat ttaaagaaca gctaactcca agtcagatta 480
75 tgtcttttga aaaagaaatc atggacaaac atttaaaaag gaaagctatg ac      532
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78 <211> LENGTH: 506
79 <212> TYPE: DNA
80 <213> ORGANISM: Homo sapiens
81 <400> SEQUENCE: 4
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84 ggagcggggt ctctagccgc tgggtttctg ctccgaccgg aacctgtacg agctgccagt 120
85 gaacgacgga ggctgtatcc cccgagcgct gactaccagc acctccgaaa gcacaacaac 180
86 tgcattggca gtcacctgac ccagcagctc tatgcacggc tctgcgacaa gaccacacc 240
87 actggttggc cgctagatca gtgtatccag actggcggtg acaaccttgg ccacctctc 300
88 atcaagactg tgggcatggt ggctggagat gaggagacct atgaggtatt tgctgacctg 360
89 tttgaccctg tgatccaaga gcgacacaaat ggatatgacc cccggacaaat gaagcacacc 420
90 acggatctag atgccagtaa aatccgttct ggctactttg atgagaggga tgtattgtcc 480
91 tctagagtca gaactggccg aagcat      506
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 365
95 <212> TYPE: DNA
96 <213> ORGANISM: Homo sapiens
97 <400> SEQUENCE: 5
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101 cctcactagg gctgagcacc ttctctgagt agagtcttca tccttagcac cacagacttc 180
102 tgaggctcctg tgccctttac ttgctgggtg ggtgtcatag gtagaaaagg gctggccctt 240
103 cagatctggg ggtgtgggtg gtggcaagta agggcagaat tttaggagaa ccagagtcac 300
104 ccgctggctc tactgagatt gttacaccca gaatcctttt gtgttttttt gtggtttttt 360
105 ttttt      365
107 <210> SEQ ID NO: 6
108 <211> LENGTH: 632
109 <212> TYPE: DNA
110 <213> ORGANISM: Homo sapiens
111 <400> SEQUENCE: 6
113 cctccccctt ttcttcttgg aagtgtccga gcatgtaggg caagaaggaa ggctgaagcg 60
114 ctgtccctag gaggaatttc tccttcaggg gaggcctcagt tttgccatt tatctaattg 120

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115 aatcagtttt ttacccaatc ccccgatttt gtaggataat ctcccttatac taaagtcaac 180
116 tgattatgga ctttaatcac atctacaaaa cacttccatg gcgacagcta gatgagtgtt 240
117 tgaataactg ggactgtagc ccgtccaagt tgacacataa aactgaccat cgggccgggg 300
118 gcggtggctc acgcctgtaa tcccaacact ttgggagccc gaggcgggag gatcacaagg 360
119 tcaggagttc gagaccagcc tggccaacac ggtgaaaccc cgactctact aaaaatacaa 420
120 aaaattagcc cgggtgtggt ggcacacacc tgtagtccca gctactcggg aggctgaggc 480
121 aggagaatcg tttgaacctg ggaggcagag gttgcagtga gccaagatca cactattgca 540
122 ctccagcctg gcgacaggg caagactctg tctcaaaaaa ataaaaaact gaccatctag 600
123 tccttgtcat ctgggcaccc tcaaaaaaag cc 632
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126 <211> LENGTH: 486
127 <212> TYPE: DNA
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132 ccattggagat cggggccctc ttccagtggt gttcactcct tttcacacct gctgggtccc 120
133 tcctcaccca gcaggccttg tccacctctc attgcaagcc ccaagcactg agccagcagg 180
134 tgccagggag ccacccgccc cccatagctt ctgcacacct cagactcacc ccatcacctt 240
135 ggcagcaaag cactggtctt gcgctctgac ccctgatcca ggcagccccc tccgcagaga 300
136 aaaggggttg ggagaagcct ctgcagtcct ggaagatgtg ggggtgctggg tgagaggcat 360
137 cagcccccac aagtatgttt ttgtgtctta agatagcagt ttactttgaa aaagtgaana 420
138 aggttcccg gctgtcctct gcccagtgag atggaggacg ctagagaaaag tgctgagtgt 480
139 cccgag 486
141 <210> SEQ ID NO: 8
142 <211> LENGTH: 579
143 <212> TYPE: DNA
144 <213> ORGANISM: Homo sapiens
146 <400> SEQUENCE: 8
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148 gcagagttca ctttactctc agtctccctt cttttgccct cactgaagcc aaaccacaga 120
149 agactttgag gaatgagaga caaatgaggt agagctcacc tgtgtctacc agctccgtca 180
150 ggggtggtcag ccgaccctt tccctgggaa cccacttct ctctgtggct ggcttgggtg 240
151 tcgggggtga gatgccatat tgattacagg gcagcaaaga accagtacca ggaatttact 300
152 tgaccattcc cttattttt catctagagg aatctcggat tcagccctt cattgctaag 360
153 acaccttttc actgaggttc ttaccagctc agccaaatct ccactctgct atagcagaag 420
154 caataatggt tgctttaaaa agatttcttg acctatgcct tttcttagaa aagttgatag 480
155 attagttaga acttcagatc atcagatcag tctcaaatgg gtttcttgga atttatattt 540
156 gacaatattt atactatacc aaactcattt gcagttctt 579
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159 <211> LENGTH: 342
160 <212> TYPE: DNA
161 <213> ORGANISM: Homo sapiens
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166 tcctacttag ccatttggtt ttaattttac atgggtgtctg cttaaataaa tgttttatat 180
167 ttgtatacaa tcaaattgat taattttcat gacttatttc acgatataaa gcaaattatt 240
168 ttctaagaca ttacagtggt ttgttttctt atgtttacat gtgtcattt cagtcagtgt 300
169 attttctctt acgacatggt tctgtgtgag tagttaacat gt 342

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179 aggtactgga aaccacacagg cacacccaag gccctcatct ttgtgtccca tggagccgga 180
180 gagcacagtg gccgctatga agagctggct cggatgctga tggggctgga cctgctggtg 240
181 ttcgcccacg accatgttgg ccacggacag agcgaagggg agaggatg 288
183 <210> SEQ ID NO: 11
184 <211> LENGTH: 363
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 11
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190 ccagccagcg gaacagtttc tattaccccc tccctgcccc cagacccatg tgatttctgc 120
191 tttcttcttt agcaagatat tctggtttct agataaggaa gagtctctaa tgagcccccg 180
192 agccccagtc tcttcagact catggattgg tctgaggggt ctgaacgtct cctagccaat 240
193 cagaactggc tgtggaccac cctagcacgg ccacctctca gggccactgg caggccttcc 300
194 tgagttagat ttgtagtgtc atatttagct ttgcacattt gaaataaacc acggttgcat 360
195 ccc 363
197 <210> SEQ ID NO: 12
198 <211> LENGTH: 368
199 <212> TYPE: DNA
200 <213> ORGANISM: Homo sapiens
202 <400> SEQUENCE: 12
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204 cctactggag acaggctgga ctcagctaca tccgatactc ccagatctgt gcaaaagcag 120
205 tgagagatgc actgaagaca gaattcaaag caaatgctga gaagacttct ggcagcaacg 180
206 taaaaattgt gaaagtaaag aaggaataat ctaccctgac taaagcttga aatgctacat 240
207 ttccaagggt aagatgtgtg ggcacatgtt atggcagatt gaaaaggatc tcattccatg 300
208 ggaaaaaaaa aaatcctgtc ttgttcataa attgacaatg tcaataaatt gaaatatggt 360
209 tcactgtt 368
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212 <211> LENGTH: 202
213 <212> TYPE: DNA
214 <213> ORGANISM: Homo sapiens
216 <400> SEQUENCE: 13
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218 gtgaaaagct cttaccgaag caaccaaatt cagcagacac ctcttcagct tgagttcttc 120
219 accatctttt gcaactgaaa tatgatggat atgcttaagt acaactgatg gcatgaaaaa 180
220 aatcaaattt ttgatttatt at 202
222 <210> SEQ ID NO: 14
223 <211> LENGTH: 534
224 <212> TYPE: DNA
225 <213> ORGANISM: Homo sapiens
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229 cagcggagcc cgagcccag cccgaacccg aacctgaacc tgcgctggac ctgcgggcgc 120
230 tgcgtgcggt cgcctgacgac tgcctgctgc aggagcactt ctacctgcgg cgaggcggc 180
231 gcgtgcaccg ttacgaggag agcgaggcca tatctttgcc ctctctggat cagctggtgt 240
232 caaccctcgt gggcctcctc agcccacaca acccggccct ggccgctgcc gccctcgatt 300
233 atagatgccc agttcatttt tactgggtgc gtgggtgaaga aattattcct cgtgggtcatc 360
234 gaagaggctc aattgatgac ttgcgatacc agatagatga taaaccaaac aaccagattc 420
235 gaatatccaa gcaactcgca gagtttgtgc cattggatta ttctgttctt atagaaatcc 480
236 ccactataaa atgtaaacca gacaaacttc cattattcaa acggcagtat gaaa 534
238 <210> SEQ ID NO: 15
239 <211> LENGTH: 546
240 <212> TYPE: DNA
241 <213> ORGANISM: Homo sapiens
243 <400> SEQUENCE: 15
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245 tgcccgacga ggtgctgggg ctcatctacg cgcagacggt ggtctgggtg gggagttttt 120
246 tctgcccttt actgccctg cttaaacagg tcaagttcct gctgcttttc tacctgaaga 180
247 agcttaccct cttctccacc tgcctcccg gtcgccgcac cttccgggac tccgcggcga 240
248 atttcttttt ccccttggtc cttctcctgg gtctggccat ctccagcgtt cccctgcttt 300
249 acagcatctt cctgatcccg ccttctaagc tttgtggtcc attccggggg cagtcgtcca 360
250 tctgggcccc gatccctgag tctatttcca gcctccctga gaccaccag aatttcctct 420
251 tcttctctgg gaccagcgt tttgctgtgc ccttctctgt gatctccagc atcctgatgg 480
252 cgtacactgt ggctctggct aactcctacg gacgcctcat ctctgagctc aaacgtcaga 540
253 gagaga 546
255 <210> SEQ ID NO: 16
256 <211> LENGTH: 300
257 <212> TYPE: DNA
258 <213> ORGANISM: Homo sapiens
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262 ctgggggtta aatttcgggg gggggggggt atttcccaa aaattggggg aatcctaggg 120
263 tttttgggtt ttttccaaa aatttttttt tttttgggaa gaaaaaaaca ccccttggtg 180
264 gggggccctt ggaaaccccc ttttttccaa tttttaaaaa aaatttttcc cccaaagggt 240
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269 <211> LENGTH: 536
270 <212> TYPE: DNA
271 <213> ORGANISM: Homo sapiens
273 <400> SEQUENCE: 17
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276 cagacggcct gaaactccg actgtgggac acctagtccg gcaggatctt ccgccagcgc 180
277 ctccaccttc agatgtacct ccagcctttc actcctcggc cctccggagc ccacaacctg 240
278 gacacagctc ctcaagacag gtagcatgga ccttaaggcg acaagagagg ggccccagga 300
279 gtggcaggag aggatccccg accaccctag ggaaacttcg tgcgataatt gctgcttatg 360
280 cccgtgttgc gtgaagacac ggaacttcac cttttctggg accttctttg ggggagaatg 420
281 gtggacagtg ggattctgga aacttgtttg ggaccccaa ggggttaaag caccagcat 480
282 tcacgaagag cacctgaagt atggaagctg agaagagtta ttggaatcac cccac 536
284 <210> SEQ ID NO: 18
285 <211> LENGTH: 467

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/081,124

DATE: 03/08/2002

TIME: 14:16:57

Input Set : D:\Seqlist.txt

Output Set: N:\CRF3\03082002\J081124.raw

L:18 M:270 C: Current Application Number differs, Replaced Current Application Number

L:818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:824 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:825 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:859 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:1175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:1182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:1185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:1186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:1206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:1373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86
L:1467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92
L:1606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101
L:1812 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:2539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161
L:2540 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161
L:2545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161
L:2547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161
L:2549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161
L:2811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178
L:2819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178
L:2821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178
L:2822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:178
L:2837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179
L:2838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179
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L:2843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179
L:2844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:179
L:2875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181
L:2876 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181
L:2877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181
L:2885 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181
L:2886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:181
L:2974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:186
L:3020 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189
L:3382 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212
L:3402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213
L:3444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215

VERIFICATION SUMMARY

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Input Set : D:\Seqlist.txt

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L:3555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222

L:3556 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222

L:3722 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:234